



#5
PCT/PTO 1/4 DEC 2004

PATENT
Customer No. 22,852
Attorney Docket No. 03715.0139

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
Nathalie CARTIER-LACAVE et al.)	Group Art Unit: Not assigned
Application No.: 10/501,738)	Examiner: Not assigned
Filed: July 16, 2004)	
For: USE OF CD34+ HEMATOPOIETIC)	Confirmation No.: Not assigned
PROGENITOR CELLS FOR THE)	
TREATMENT OF CNS DISORDERS)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents on the attached listing. This Supplemental Information Disclosure Statement supplements the Information Disclosure Statement filed on October 20, 2004, and is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Copies of the listed documents are attached.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

BEST AVAILABLE COPY

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

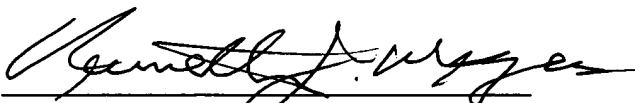
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: December 14, 2004

By: 
Kenneth J. Meyers
Reg. No. 25,146
Phone: (202) 408-4033
Fax: (202) 408-4400

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

5

Application Number

10/561,738

Filing Date

July 16, 2004

First Named Inventor

Nathalie CARTIER-LACAVE

Art Unit

Not assigned

Examiner Name

Not assigned

Attorney Docket Number

03715.0139-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		LAROCHELLE ET AL., "Identification of primitive human hematopoietic cells capable of repopulating NOD/SCID mouse bone marrow: Implications for gene therapy", <u>Nature Medicine</u> , Volume 2, No. 12, December 1996, pp. 1329-1337.	
		BAMBOT ET AL., "Efficient Total Gene Synthesis of 1.35-kb Hybrid α -lytic Protease Gene Using the Polymerase Chain Reaction", <u>PCR Methods and Applications</u> , Vol. 2, pp. 266-271, 1993 Cold Spring Harbor Laboratory.	
		HOLOWACHUK ET AL., Technical Tips: "Efficient Gene Synthesis by Klenow Assembly/Extension-Pfu Polymerase Amplification (KAPPA) of Overlapping Oligonucleotides", <u>PCR Methods and Applications</u> , Vol. 4, pp. 299-302, Cold Spring Harbor Laboratory Press.	
		DAO ET AL., "Animal xenograft models for evaluation of gene transfer into human hematopoietic stem cells", <u>Current Opinion in Molecular Therapeutics</u> (1999), Vol. 1 (5), pp. 553-557, PharmaPress Ltd.	
		KLEIN ET AL., "High-velocity Microprojectiles for Delivering Nucleic Acids Into Living Cells", <u>Nature</u> , Vol. 327, pp. 70-73, Macmillan Magazines Ltd., 1987.	
		GAGE ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions VIII. Survival and Growth of Implants of Nigral and Septal Cell Suspensions in Intact Brains of Aged Rats", <u>INIST CNRS</u> , 2004, pp. 67-75.	
		BJÖRKLUND ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions VII. Recovery of Choline Acetyltransferase Activity and Acetylcholine Synthesis in the Denervated Hippocampus Reinnervated by Septal Suspension Implants", <u>INIST CNRS</u> , 2004, pp. 59-66.	
		BJÖRKLUND ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions VI. Survival and Growth of Intrahippocampal Implants of Septal Cell Suspensions", <u>INIST CNRS</u> , 2004, pp. 49-66.	
		DUNNETT ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions IV. Behavioural Recovery in Rats with Unilateral 6-OHDA Lesions following Implantation of Nigral Cell Suspensions in Different Forebrain Sites", <u>INIST CNRS</u> , 2004, pp. 29-36.	
		SCHMIDT, R.H. ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions III. Activity of Intrastriatal Nigral Suspension Implants as Assessed by Measurements of Dopamine Synthesis and Metabolism", <u>INIST CNRS</u> , 2004, pp. 19-29.	
		BJÖRKLUND, ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions II. Survival and Growth of Nigral Cell Suspensions Implanted in Different Brain Sites", <u>INIST CNRS</u> , 2004, pp. 9-18.	
		BJÖRKLUND ET AL., "Intracerebral Grafting of Neuronal Cell Suspensions I. Introduction and General Methods of Preparation", <u>INIST CNRS</u> , 2004, pp. 1-7.	
		STÖCKLI ET AL., "Molecular cloning, expression and regional distribution of rat ciliary neurotrophic factor", <u>INIST CNRS</u> , 2004, <u>Nature</u> , Vol. 342, December 21/28, 1989, pp. 920-923.	
		ORLIC ET AL., "Bone marrow cells regenerate infarcted myocardium", <u>Nature</u> , Vol. 410, April 5, 2001, pp. 701-705.	
		GUSSONI ET AL., "Dystrophin expression in the mdx mouse restored by stem cell transplantation", <u>Letters to Nature</u> , <u>Nature</u> , Vol. 401, 23 September 1999.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

5

Application Number

10/547,738

Filing Date

July 16, 2004

First Named Inventor

Nathalie CARTIER-LACAVE

Art Unit

Not assigned

Examiner Name

Not assigned

Attorney Docket Number

03715.0139-00000

	SPANGRUDE ET AL., "Biological and Clinical Aspects of Hematopoietic Stem Cells", <u>Annu. Rev. Med.</u> , 1994, Vol. 45, pp. 93-104.	
	HICKEY ET AL., "Bone Marrow-derived Elements in the Central Nervous System: An Immunohistochemical and Ultrastructural Survey of Rat Chimeras", <u>Journal of Neuropathology and Experimental Neurology</u> , Vol. 51, No. 3, May, 1992, pp. 246-256.	
	SPANGRUDE ET AL., "Purification and Characterization of Mouse Hematopoietic Stem Cells", <u>Science</u> , Vol. 241, pp. 58-241.	
	ROSENBERG ET AL., "Grafting Genetically Modified Cells to the Damaged Brain: Restorative Effects of NGF Expression", <u>Science</u> , Vol. 242, pp. 1575-1578.	
	ANDERSON, "Prospects for Human Gene Therapy", <u>Science</u> , October 26, 1984, Vol. 226, pp. 401-409.	
	HOOGERBRUGGE ET AL., "Donor-derived Cells in the Central Nervous System of Twitcher Mice After Bone Marrow Transplantation", <u>Science</u> , February 26, 1988, Vol. 239, pp. 1037-1038.	
	ROSENSTEIN ET AL., "Neocortical Transplants in the Mammalian Brain Lack a Blood-Brain Barrier to Macromolecules", <u>Reports, Science</u> , Vol. 235, 13 February 1987, pp. 772-774.	
	ABRAHAM ET AL., "Nucleotide Sequence of a Bovine Clone Encoding the Angiogenic Protein, Basic Fibroblast Growth Factor", <u>Reports, Science</u> , August 1, 1986, Vol. 233, pp. 545-548.	
	LIN ET AL., "Purification, Cloning, and Expression of Ciliary Neurotrophic Factor (CTF)", 1989, pp. 1023-1025.	
	PARDRIDGE, "Blood-Brain Barrier Transport of Glucose, Free Fatty Acids, and Ketone Bodies", <u>Fuel Homeostasis and the Nervous System</u> , pp. 43-53, Plenum Press, New York, 1991.	
	MAISONPIERRE ET AL., "Human and Rat Brain-Derived Neurotrophic Factor and Neurotrophin-3" Gene Structures, Distributions, and Chromosomal Localizations", <u>Genomics</u> , Vol. 10, pp. 558-568 (1991).	
	TING ET AL., "Brain Ia Antigens Have a Bone Marrow Origin", <u>Immunogenetics</u> , Vol. 17, pp. 295-301, 1983.	
	PLOEMACHER ET AL., "Wheat Germ Agglutinin Affinity of Murine Hemopoietic Stem Cell Subpopulations Is an Inverse Function of Their Long-Term Repopulating Ability <i>In Vitro</i> and <i>In Vivo</i> ", <u>Leukemia</u> , Vol. 7, No. 1 (January), 1993, pp. 120-130.	
	GAGE, FRED H., "Cell Therapy", <u>Reviews, Nature</u> , Vol. 392, pp. 18-24, Supp, 30 April 1998,	
	TERSTAPPEN ET AL., "Analysis of Bone Marrow Stem Cell", <u>Blood Cells</u> (1994), Vol. 20, pp. 45-63.	
	VERMA ET AL., "Gene therapy—promises, problems and prospects", <u>Nature</u> , Vol. 389, September 28, 1997.	
	SCHUMACHER ET AL., "Intracerebral Implantation of Nerve Growth Factor-Producing Fibroblasts Protects Striatum Against Neurotoxic Levels of Excitatory Amino Acids", <u>Neuroscience</u> , Vol. 45, No. 3, pp. 561-570, 1991.	
	NEGRO ET AL., "Cloning and expression of human ciliary neurotrophic factor", <u>Eur. J. Biochem</u> , Vol. 201, pp. 289-294 (1991), FEBS.	
	BROADWELL ET AL., "Transcytosis of macromolecules through the blood-brain barrier: a cell biological perspective and critical appraisal." <u>Acta Neuropathol</u> (1989) 79: pp. 117-128, Springer-Verlag.	
	GAGE ET AL., "Grafting Genetically Modified Cells to the Brain: Possibilities for the Future", <u>Neuroscience</u> , Vol. 23, No. 3, pp. 795-807, 1987.	
	MCRAE-DEGUEURCE ET AL., "Implantable microencapsulated dopamine (DA): a new approach for slow-release DA delivery into brain tissue", <u>Neuroscience Letters</u> , Vol. 92 (1988), pp. 303-309.	
	BENSI ET AL., "Human interleukin-1 beta gene", <u>Gene</u> , Vol. 52 (1987), pp. 95-101, Elsevier Science Publishers B.V.	
	WOSNICK ET AL., <u>Gene</u> , Vol. 60, pp. 115-127, 1987, Elsevier Science Publishers B.V.	
	LAM ET AL., "Sequence and structural organization of the human gene encoding ciliary neurotrophic factor", <u>Gene</u> , Vol. 102, pp. 271-276, 1991.	
	ADANG ET AL., "The reconstruction and expression of a <i>Bacillus thuringiensis cryIIIA</i> gene in protoplasts and potato plants", <u>Plant Molecular Biology</u> , Vol. 21, pp. 1131-1145, 1993, Kluwer Academic Publishers, Printed in Belgium, 1993.	
	OYA ET AL., "Distribution of enzyme-bearing cells in GM ₂ gangliosidosis mice: regionally specific pattern of cellular infiltration following bone marrow transplantation", <u>Acta Neuropathol</u> , Vol. 99, pp. 161-168, 2000.	
	LAPIDOT et al., "Cytokine Stimulation of Multilineage Hematopoiesis from Immature Human Cells Engrafted in SCID Mice", <u>Science</u> , Vol. 255, pp. 1137-1141.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

3

of

5

Application Number

10/367,738

Filing Date

July 16, 2004

First Named Inventor

Nathalie CARTIER-LACAVE

Art Unit

Not assigned

Examiner Name

Not assigned

Attorney Docket Number

03715.0139-00000

	LAROCHELLE ET AL., "Engraftment of immune-deficient mice with primitive hematopoietic cells from β -thalassemia and sickle cell anemia patients: implications for evaluating human gene therapy protocols", <u>Human Molecular Genetics</u> , Vol. 4, No. 2, pp. 163-172, 1995.	
	SUHR ET AL., "Gene Therapy for Neurologic Disease", <u>Arch Neurol</u> , Vol. 50, Nov. 1993, pp. 1252-1268.	
	DOUGLAS ET AL., "Efficient Human Immunodeficiency Virus-Based Vector Transduction of Unstimulated Human Mobilized Peripheral Blood CD34 ⁺ Cells in the SCID-hu Thy/Liv Model of Human T Cell Lymphopoiesis", <u>Human Gene Therapy</u> , Vol. 12, pp. 401-413, March 1, 2001.	
	FREESE ET AL., "Direct Gene Transfer Into Human Epileptogenic Hippocampal Tissue with an Adeno-Associated Virus Vector: Implications for a Gene Therapy Approach to Epilepsy", <u>Epilepsia</u> , Vol. 38(7), pp. 759-766, 1997.	
	ELWOOD ET AL., "Current Status of Retroviral Vector Mediated Gene Transfer into Human Hematopoietic Stem Cells", <u>Leukemia and Lymphoma</u> , 2001, Vol. 4115-6, pp. 465-482.	
	GOODELL ET AL., "Dye efflux studies suggest that hematopoietic stem cells expressing low or undetectable levels of D34 antigen exist in multiple species", <u>Nature Medicine</u> , Vol. 3, No. 12, December 1997, pp. 1337-1345.	
	SPRINGER ET AL., "cDNA Sequence and Differential mRNA Regulation of Two Forms of Glial Cell Line-Derived Neurotrophic Factor in Schwann Cells and Rat Skeletal Muscle", <u>Experimental Neurology</u> , Vol. 131, pp. 47-52, 1995.	
	RAY ET AL., "Gene Transfer into Established and Primary Fibroblast Cell Lines: Comparison of Transfection Methods and Promoters", Research Report, <u>BioTechniques</u> , Vol. 13, No. 4, 1992.	
	BANKS ET AL., "Bidirectional passage of peptides across the blood-brain barrier", <u>Progress in Brain Research</u> , Vol. 91, pp. 139-148, 1992.	
	LASSMANN ET AL., "Bone Marrow Derived Elements and Resident Microglia in Brain Inflammation", <u>GLIA</u> , Vol. 7, pp. 19-24, 1993.	
	CHAUVIN ET AL., "Epidemie d'intoxication alimentaire a l'heliotope, Tadjikistan, novembre 1992 - mars 1993", <u>Cahiers Sante</u> , Vol. 4, pp. 263-268, 1994.	
	HORELLOU ET AL., "Behavioural Effect of Engineered Cells that Synthesize L-DOPA or Dopamine after Grafting into the Rat Neostriatum", <u>European Journal of Neuroscience</u> , Vol. 2, pp. 116-119.	
	LASSMANN ET AL., "Dynamics of microglia in brain pathology", Martinsried/Munich, September 13, 1992, <u>Clinical Neuropathology</u> , Vol. 12, No. 5, pp. 284-313, 1993.	
	ISACSON ET AL., "Functional neuronal replacement by grafted striatal neurons in the ibotenic acid-lesioned rat striatum", Letters to Nature, <u>Nature</u> , Vol. 311, October 4, 1984.	
	PARDRIDGE ET AL., "Evaluation of Cationized Rt Albumin as a Potential Blood-Brain Barrier Drug Transport Vector", <u>The Journal of Pharmacology and Experimental Therapeutics</u> , Vol. 255, No. 2, pp. 893-899.	
	UNGER ET AL., "Male Donor-derived Cells in the Brains of Female Sex-mismatched Bone Marrow Transplant Recipients: A Y-Chromosome Specific <i>In situ</i> Hybridization Study", <u>Journal of Neuropathology and Experimental Neurology</u> , Vol. 52, No. 5, September 1993, pp. 460-470.	
	DOERFLINGER ET AL., "Retroviral Transfer and Long-Term Expression of the Adrenoleukodystrophy Gene in Human CD34 ⁺ Cells", <u>Human Gene Therapy</u> , Vol. 9, pp. 1025-1036.	
	PERRY ET AL., "Macrophages and the Nervous System", <u>International Review of Cytology</u> , Vol. 125, pp. 203-244, Academic Press, Inc. 1991.	
	MITTELBRONN, M. ET AL., "Local distribution of microglia in the normal adult human central nervous system differs by up to one order of magnitude", <u>Acta Neuropathol</u> , Vol. 101, pp. 249-255, 2001.	
	HICKEY, ET AL., "Perivascular Microglial Cells of the CNS Are Bone Marrow-Derived and Present Antigen <i>In Vivo</i> ", <u>Science</u> , Vol. 239, pp. 290-292.	
	AUBOURG ET AL., "Reversal of Early Neurologic and Neuroradiologic Manifestations of X-Linked Adrenoleukodystrophy by Bone Marrow Transplantation", <u>New England Journal of Medicine</u> , Vol. 322, pp. 1860-1866, June 28, 1990.	
	MOSER ET AL., "Bone marrow transplant in adrenoleukodystrophy", <u>Neurology (Cleveland)</u> Vol. 34, pp. 1410-1417, 1984.	
	MOSSER ET AL., "Putative X-linked adrenoleukodystrophy gene shares unexpected homology with ABC transporters", <u>Nature</u> , Vol. 361, February 25, 1993, pp. 726-730.	
	MCADAMS ET AL., "Hematopoietic cell culture therapies (Part I): cell culture considerations", <u>TIBTECH</u> , Vol. 14, PP. 341-349, Elsevier Science Ltd. 1996.	
	PETERSEN ET AL., "Bone Marrow as a Potential Source of Hepatic Oval Cells", <u>Science</u> , Vol. 284, May 14, 1999.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

4

of

5

Application Number

10/361,738

Filing Date

July 16, 2004

First Named Inventor

Nathalie CARTIER-LACAVE

Art Unit

Not assigned

Examiner Name

Not assigned

Attorney Docket Number

03715.0139-00000

	MINGHETTI ET AL., "Microglia as Effector Cells in Brain Damage and Repair: Focus on Prostanoids and Nitric Oxide", <u>Progress in Neurobiology</u> , Vol. 54, pp. 99-125, 1998, Elsevier Science Ltd.	
	PARESCIE ET AL., "Microglial Cells Internalize Aggregates of the Alzheimer's Disease Amyloid β -Protein Via a Scavenger Receptor", <u>Neuron</u> , Vol. 17, pp. 553-565, September 1996, Cell Press.	
	FOUQUET ET AL., "Expression of the Adrenoleukodystrophy Protein in the Human and Mouse Central Nervous System", <u>Neurobiology of Disease</u> , Vol. 3, pp. 271-285, 1997.	
	AKIYAMA ET AL., "Inflammation and Alzheimer's disease", <u>Neurobiology of Aging</u> , Elsevier Science Inc., 21 (2000) 383-421.	
	SIRVEN ET AL., "Enhanced Transgene Expression in Cord Blood CD34 ⁺ -Derived Hematopoietic Cells, Including Developing T Cells and NOD/SCID Mouse Repopulating cells, Following Transduction with Modified TRIP Lentiviral Vectors", <u>Molecular Therapy</u> , Vol. 3, No. 4, April 2001.	
	DOBRENIS ET AL., "Microglia in Cell Culture and in Transplantation Therapy for Central Nervous System Disease", <u>Methods: A Companion to Methods in Enzymology</u> , Vol. 16, pp. 320-344, 1998.	
	SHAPIRO ET AL., "Long-term effect of bone-marrow transplantation for childhood-onset cerebral X-linked adrenoleukodystrophy", <u>The Lancet</u> , Vol. 356, pp. 713-718, August 26, 2000.	
	BURT ET AL., "Bone marrow transplantation for multiple sclerosis: returning to Pandora's box", <u>Trends Immunology Today</u> , Vol. 18, No. 12, pp. 559-561.	
	MORRISON ET AL., "The Long-Term Repopulating Subset of Hematopoietic Stem Cells Is Deterministic and Isolatable by Phenotype", <u>Immunity</u> , Vol. 1, pp. 61-672, November 1994, Cell Press.	
	ARAB ET AL., "The gene encoding bovine brain-derived neurotrophic factor (BDNF)", <u>GENE</u> , An International Journal on Genes and Genomes, Vol. 185, pp. 95-98, 1997, Elsevier Science B.V.	
	KRIVIT ET AL., "Microglia: The Effector Cell for Reconstitution of the Central Nervous System Following Bone Marrow Transplantation for Lysosomal and Peroxisomal Storage Diseases", <u>Cell Transplantation</u> , Vol. 4, No. 4, pp. 385-392, 1995, Elsevier Science Ltd.	
	CHAUDHARY ET AL., "Expression and Activity of P-Glycoprotein, a Multidrug Efflux Pump, in Human Hematopoietic Stem Cells", <u>Cell</u> , Vol. 66, pp. 85-94, July 12, 1991, Cell Press.	
	MANN ET AL., "Construction of a Retrovirus Packaging Mutant and Its Use to Produce Helper-Free Defective Retrovirus", <u>Cell</u> , Vol. 33, pp. 153-159, May 1983.	
	READHEAD ET AL., "Expression of a Myelin Basic Protein Gene in Transgenic Shiverer Mice: Correction of the Demyelinating Phenotype", <u>Cell</u> , Vol. 48, pp. 703-712, February 27, 1987, Cell Press.	
	ZENNOU ET AL., "HIV-1 Genome Nuclear Import Is Mediated by a Central DNA Flap", <u>Cell</u> , Vol. 101, pp. 173-185, April 14, 2000, Cell Press.	
	SOMIA ET AL., "Gene Therapy: Trials and Tribulations", <u>Nature Reviews Genetics</u> , Vol. 1, November 2000, pp. 91-99.	
	BEZZI ET AL., "CXCR4-activated astrocyte glutamate release via TNF α : amplification by microglia triggers neurotoxicity", <u>Nature Neuroscience</u> , Vol. 4, No. 7, July 2001.	
	SHIMIZU ET AL., "Host bone-marrow cells are a source of donor intimal smooth-muscle-like cells in murine aortic transplant arteriopathy", <u>Nature Medicine</u> , Vol. 7, No. 6, pp. 738-741, June 2001.	
	WYSS-CORAY ET AL., "TGF- β 1 promotes microglial amyloid- β clearance and reduces plaque burden in transgenic mice", <u>Nature Medicine</u> , Vol. 7, No. 5, pp. 612-618, May 2001.	
	WENINGER ET AL., "Inflammation and Alzheimer disease: The good, the bad, and the ugly", <u>Nature Medicine</u> , Vol. 7, No. 5, pp. 517-528, May 2001.	
	MATZNER ET AL., "Inherited Disease Long-term expression and transfer of arylsulfatase A into brain of arylsulfatase A-deficient mice transplanted with bone marrow expressing the arylsulfatase A cDNA from a retroviral vector", <u>Gene Therapy</u> , Vol. 7, pp. 1250-1257, 2000, Macmillan Publishers Ltd.	
	ZELENIN ET AL., "Genetic transformation of mouse cultured cells with the help of high-velocity mechanical DNA injection", <u>FEBS LETTERS</u> , Vol. 244, No. 1, pp. 65-67, February 1989, Elsevier Science Publishers B.V.	
	ZELENIN ET AL., "High-velocity mechanical DNA transfer of the chloramphenicolacetyl transferase gene into rodent liver, kidney and mammary gland cells in organ explants and in vivo", <u>FEBS LETTERS</u> , Vol. 280, No. 1, March 1991, pp. 94-96.	
	KRIVIT ET AL., "Bone marrow transplantation for globoid cell leukodystrophy, adrenoleukodystrophy, metachromatic leukodystrophy, and Hurler syndrome", <u>Current Opinion in Hematology</u> , Vol. 6, No. 6, pp. 377, November 1999, Lippincott Williams & Wilkins, Inc.	
	GONZALEZ-SCARANO ET AL., "Microglia as Mediators of Inflammatory and Degenerative Diseases", <u>Annu. Rev. Neurosci.</u> , Vol. 22, pp. 219-240, 1999, Annual Reviews.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

5

of

5

Application Number

10/367,738

Filing Date

July 16, 2004

First Named Inventor

Nathalie CARTIER-LACAVE

Art Unit

Not assigned

Examiner Name

Not assigned

Attorney Docket Number

03715.0139-00000

	VAN GELDER ET AL., "Treatment of Relapsing Experimental Autoimmune Encephalomyelitis with Largely MHC-Matched Allogeneic Bone Marrow Transplantation", <u>Transplantation</u> , Vol. 62, No. 6, September 27, 1996.	
	PLOEMACHER ET AL., "In Vitro Assays for Primitive Hematopoietic Cells", <u>Correspondence</u> , pp. 834-837.	
	WEILBAECHER ET AL., "Culture of Phenotypically Defined Hematopoietic Stem Cells and Other Progenitors at Limiting Dilution on Dexter Monolayers", <u>Blood</u> , Vol. 78, No. 4, pp. 945-952, August 15, 1991.	
	TERSTAPPEN ET AL., "Sequential Generations of Hematopoietic Colonies Derived from Single Nonlineage-Committed CD34 ⁺ CD38 ⁻ Progenitor Cells", <u>Blood</u> , Vol. 77, No. 6, pp. 1218-1227, March 15, 1991.	
	VORMOOR ET AL., "Immature Human Cord Blood Progenitors Engraft and Proliferate to High Levels in Severe Combined Immunodeficient Mice", <u>Blood</u> , Vol. 83, No. 9, pp. 2489-2497, May 1, 1994.	
	KRALL ET AL., "Cells Expressing Human Glucocerebrosidase From a Retroviral Vector Repopulate Macrophages and Central Nervous System Microglia After Murine Bone Marrow Transplantation", <u>Blood</u> , Vol. 83, No. 9, pp. 2737-2748, May 1, 1994, The American Society of Hematology.	
	SPANGRUDE ET AL., "Long-Term Repopulation of Irradiated Mice With Limiting Numbers of Purified Hematopoietic Stem Cells: In Vivo Expansion of Stem Cell Phenotype But Not Function", <u>Blood</u> , Vol. 85, No. 4, February 15, 1995, pp. 1006-1016.	
	KRAUSE ET AL., "CD34: Structure, Biology, and Clinical Utility", <u>Blood</u> , CD34 Review, The Journal of The American Society of Hematology, Vol. 87, No. 1, January 1, 1996.	
	JONES ET AL., "Characterization of Mouse Lymphohematopoietic Stem Cells Lacking Spleen Colony-Forming Activity", <u>Blood</u> , Vol. 88, No. 2, pp. 487-491, July 15, 1996, The American Society of Hematology.	
	GIULIAN, "NEUROGENETICS '99 Microglia and the Immune Pathology of Alzheimer Disease", <u>Am. J. Hum. Genet.</u> Vol. 65, pp. 13-18, 1999.	
	BACHOUD-LEVI ET AL., "Motor and cognitive improvements in patients with Huntington's disease after neural transplantation", Early Report <u>The Lancet</u> , Vol. 356, pp. 1975-1979, December 9, 2000.	
	LAGASSE ET AL., "Purified hematopoietic stem cells can differentiate into hepatocytes <i>in vivo</i> ", <u>Nature Medicine</u> , Vol. 6, No. 11, November 2000, pp. 1229-1234	

Examiner
SignatureDate
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☒ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.